End-User Contributions to Kentucky's Energy Future

Kentucky Governor's Conference on Energy & Environment

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Summit Overview



Founded 1991

10 Offices

350+ employees

20,000+ client sites

Manage \$20 Billion energy spend; over 50 million tons of CO₂

Independent & unbiased

Core business



National Priorities

Challenges

- Energy Independence
- Economic Recovery
- Climate Change

Solutions

- Energy Efficiency
- Cleantech / Renewables
- Cleaner Fuels



National Opportunities

Reduce end-use energy consumption

- Increase effectiveness of energy conservation programs
- Develop an intelligent delivery infrastructure (i.e., "smart grid")
- Increase deployment of demand response capabilities

Reduce life-cycle carbon intensity

- Develop & deploy clean / renewable generation technologies
- Distribute and utilize decarbonized fuel and energy supplies
- Sequester carbon emissions through advanced technologies

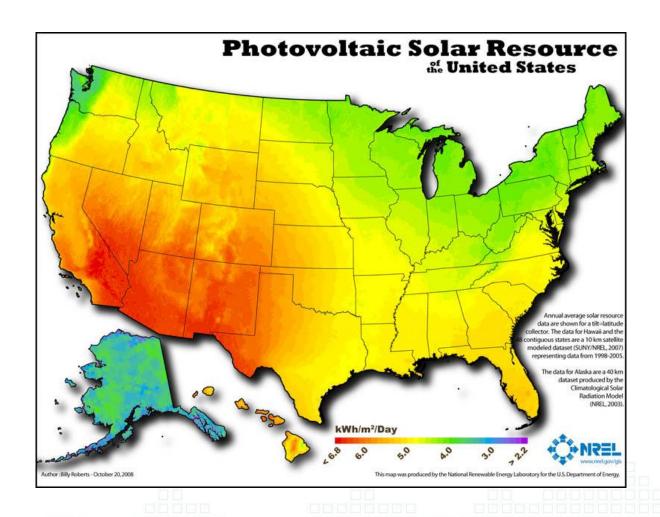


Kentucky Challenges

U.S. Industrial Average Price per kilowatthour is 6.39 Cents 12.27 MN 4,57 5.09 WY 3.87 4.10 NE 4.74 MA 13.03 4.78 NV 8.28 UT 4,89 6.61 12.04 4.52 5.97 CT 12.92 4.76 CA 9.98 10.08 8.93 9.41 DC 9.32 Industrial Average Price (Cents per kilowatthour) 3.87 to 4.89 5.06 to 5.41 5.47 to 6.47 6.61 to 9.32 9.41 to 18.38

Source: EIA

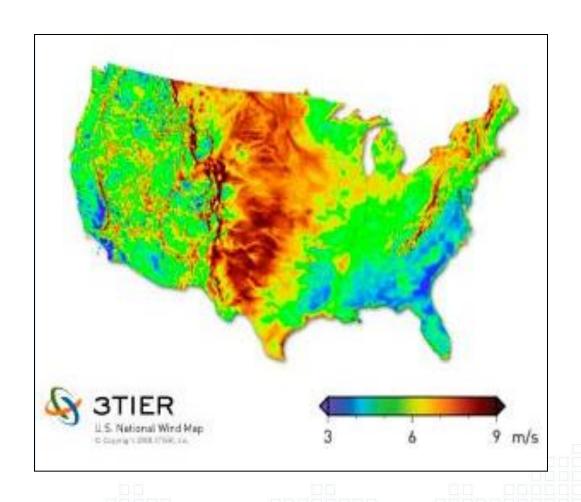
Kentucky Challenges - Solar



Source: NREL



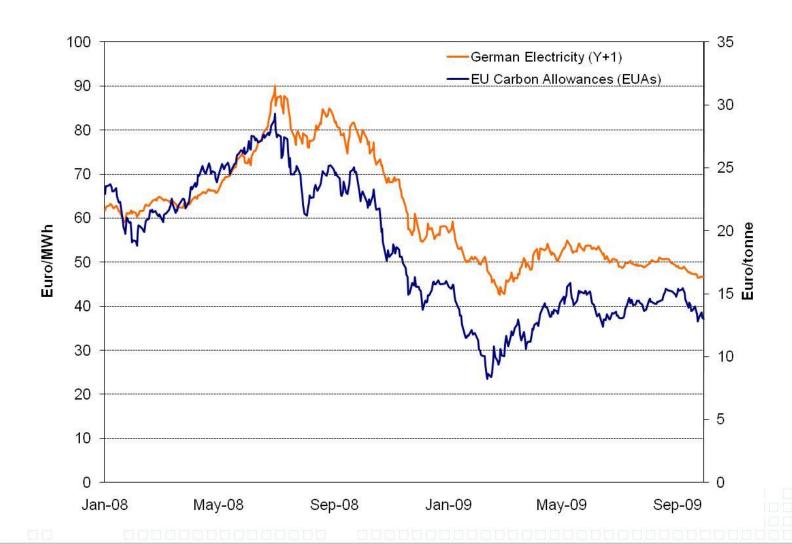
Kentucky Challenges - Wind



Source: 3Tier Group – www.3tiergroup.com



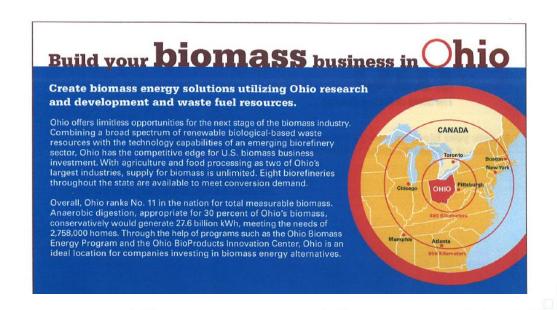
Kyoto Impact on Energy Pricing





Kentucky Opportunities

- Lure commercial-scale cleantech companies and investments to state via incentive programs
 - Aggressive marketing and programs being implemented by neighboring / regional states





Kentucky Opportunities

- Continue to implement and strengthen end-user conservation programs including industrial programs
 - Energy efficiency resource standard (EERS)
- Engage and incentivize industrials and independent power producers to participate in renewable energy goals
 - Distributed and merchant generation programs successful in many geographies
 - Woody biomass highlighted in State energy plan as lucrative resource



To learn more

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